

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP  
OCTOBER 15, 2009**

**COMMITTEE MEMBERS PRESENT**

Ed Mandich, Committee Member  
Matt Disston, Committee Alternate

**STAFF PRESENT**

Don Chadd, General Manager  
Hector Ruiz, District Engineer  
Sharon E. Smith, Secretary/Treasurer  
Kris Hanberg, Wastewater Supervisor  
Bob Beck, Maintenance Supervisor  
Teresa Teichman, Assistant to the General Manager  
Michael Perea, Special Projects Manager

**PUBLIC PRESENT**

No members of the public were present.

**CALL THE MEETING TO ORDER**

Committee Member Mandich called the October 15, 2009  
Engineering/Operational Committee Meeting to order at 7:06 a.m.

**PUBLIC PARTICIPATION**

Public comments were announced. There were no oral or written  
comments.

**ORAL COMMUNICATION**

There were no comments.

**COMMITTEE MEMBER COMMENTS**

Director Matt Disston commented that he met with MWDOC's new  
Division 6 Board Member, Jeff Thomas last week.

**REPORT FROM THE GENERAL MANAGER**

General Manager Don Chadd stated the California Great Shake-Out  
would be occurring today at 10:00 a.m.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL  
WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, advised the Baker Regional Water Treatment Facility Committee met last week and stated that all of the preliminary design memorandums have been completed with the exception of the cost estimate which is anticipated to be completed by the end of October. The 30% Preliminary Design Report is due to be completed at the end of October at which time the Committee will meet to review and evaluate the full package.

The Committee will also be reviewing the Baker Pipeline capacity transfers of capacity which will allow other agencies to buy into the project. Director Disston clarified that if there were to be extra capacity within the Baker line, it would be awarded to the current owners, given their current percentage and once the plant comes on line the calculations are made as to what the percentage is rather than the capacity as the function of the new plant. Mr. Ruiz confirmed this is his understanding of the way the arrangements will be made and he will have more details when the Committee meets again.

Mr. Ruiz also advised the Committee received the cost estimate to install a Granular Activated Carbon system to address taste and odor issues for water coming from Irvine Lake. The committee opted not to include this component as it would only be used for emergency situations and the capital improvement investment could be as high as \$8,000,000 to 10,000,000 along with \$536,000 to design the system.

The next scheduled Baker Committee Meeting will take place on October 29, 2009. (I don't have access to your calendar anymore)

A status update will be provided to the Board of Directors at the October 21, 2009 Regular Board Meeting.

**The Engineering/Operational Committee received the staff report and status update. No action taken.**

ITEM NO. 1B) DISCUSSION RELATING TO ROSE CANYON AND LANG WELLS  
GROUNDWATER TREATMENT FACILITY

Mr. Ruiz presented the final bid package for the Committee's review and stated there are approximately 40 bid items. The project went out to bid via E-Bid Board on October 9, 2009 and

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the bids are due by November 16, 2009. There is a mandatory pre-bid walk for bidding contractors; there are two dates to select from, Wednesday, October 21, 2009 or Tuesday, October 27, 2009.

Mr. Ruiz discussed the benefits of using E-Bid Board. Mr. Ruiz anticipates having the proposals for the additional professional service such as geotechnical investigations, inspection services, submittal review services and a few minor services for the November Engineering/Operational Committee Meeting.

A status update will be provided to the Board of Directors at the October 21, 2009 Regular Board Meeting.

**The Engineering/Operational Committee received the staff report and status update. No action taken.**

**ITEM NO. 1C)      DISCUSSION RELATING TO CALIFORNIA DROUGHT AND WATER CONSERVATION EFFORTS**

Mr. Don Chadd, General Manager, reported that he attended the City of Rancho Santa Margarita City Council meeting and that City staff presented their recommendation to adopt the model presented by MWDOC and the League of Cities for compliance with Assembly Bill 1881 (AB 1881). Mr. Chadd noted should the City fail to implement this Ordinance by January 1, 2010, by default, the State Model Ordinance will be in effect.

Mr. Chadd provided background on AB1881 and any anticipated impact to TCWD's current Water Conservation Ordinance.

Mr. Chadd reminded the Committee that the current issue of *On-Tap* offers District customers a free five minute shower timer.

Mr. Michael Perea, Special Projects Manager, is in the process of obtaining a quote to upgrade our current ACS Utility Billing System to a more comprehensive and modern system which will allow better tracking of the water conservation ordinance violations along with streamlining additional customer service and accounting procedures within the office.

A status update will be provided to the Board of Directors at the October 21, 2009 Regular Board Meeting.

**The Engineering and Operational Committee received the status update. No action taken.**

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ITEM NO. 1D) STATUS UPDATE RELATED TO WATER MONITORING

Mr. Chadd reviewed the attached spreadsheet which charted the District's water usage for the 09-10 Fiscal year to date along with the adjusted baseline calculations as compared to actual usage during 08-09 Fiscal year. Mr. Chadd attributed the reduction in water usage in part to our eight tiered billing rate which was implemented earlier in the year.

Mr. Chadd reiterated TCWD's reduced water allocation is 2,847 acre feet for fiscal year 2009/2010.

The Engineering/Operational Committee received the status report. No action taken.

ITEM NO. 1E) DISCUSSION RELATING TO WATER RELIABILITY AND EMERGENCY STORAGE FEE

Mr. Chadd stated there are no changes or updates from last month's Committee meeting. Mr. Chadd stated this item has been left on the agenda for several months to ensure the community has ample opportunity to become informed.

Mr. Chadd noted the District has received two written protests to date. Mr. Chadd commented that the District is aware of the current tough economic times and has given leniency in regard to applying penalties onto customer accounts by approximately two weeks. Committee Alternate Disston acknowledged this comment and further stated he has been approached by customers within our District appreciating the goodwill the District has demonstrated during these tough economic times.

The Engineering/Operational Committee received the information. No action taken.

ITEM NO. 1F) DISCUSSION RELATING TO POTENTIAL AD VALOREM PROPERTY TAX

Mr. Chadd stated there are no changes or updates from last month's Committee meeting to report on at this time. Mr. Chadd noted there is a Bill moving through the Assembly which staff should have more information to present at the time of the October 21, 2009 Regular Board Meeting.

The Engineering/Operational Committee received the information. No action taken.

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ITEM NO. 1G) STATUS UPDATES REGARDING ON-GOING ENGINEERING  
PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz stated the District has received the three new pumps, one of which is a stand by unit and will be kept in reserve. Installation of the other pumps is scheduled for the end of next week.

2. Water Systems Inter-Tie Reliability Study

No changes or updates since the September Engineering/Operational Committee report.

3. Emergency Generator, Dimension Water Treatment Plant

Mr. Ruiz advised Senate Bill 827 was signed by the Governor in October, 2009 and will take effect in January, 2010. Mr. Ruiz anticipates the district will be able to purchase the emergency generator for the Water Treatment Plant in February, 2010.

4. Shadow Rock Detention Basin Project

Mr. Ruiz advised he is coordinating the design plans with the electrical requirements of Southern California Edison (SCE) as it relates to the power required for this site. Mr. Ruiz has presented two options to SCE and anticipates a reply back within approximately one month. Mr. Chadd discussed the current status and management plan of the basin.

5. T-mobile Trabuco Highlands Reservoir Antenna Installation

No changes since the September Engineering/Operational Committee meeting. T-Mobile continues to work with the Home Owner Association in regard to easements.

6. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz stated he is still working on the preliminary site drawings.

7. Other Projects

No other projects were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1H) STATUS UPDATES AND POSSIBLE ACTION REGARDING  
ACTIVE DEVELOPMENTS

1. Orange County Fire Authority Sewer System Project

Mr. Ruiz advised the Orange County Fire Authority is currently reviewing the contract agreements.

2. Oaks at Trabuco

There is no new activity to report.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM NO. 1I) WATER SYSTEM STATUS UPDATE

Mr. Chadd provided the September 2009 update.

Source Water Production

1. The water treatment plant production totaled 290 acre feet.
2. The Rose Canyon and Lang Wells produced zero acre feet.
3. The average daily demand for the month of September was 10.4 acre feet, or 5.2 cfs.

Projects and Repairs

1. Water Department personnel repaired a 1-inch service line on Snowden within the Dove Canyon Community.

2. Water Department personnel exercised 133 valves within the Dove Canyon Community.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1J) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the September 2009 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 55 acre feet.
2. The recycled water demand was 84 acre feet.
3. Dove Lake had 8.4 feet of freeboard.
4. The reclaimed water reservoir had 15.0 feet of freeboard.
5. The District pumped a total of 4 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 12.5 acre feet in September.

Projects

1. District personnel repaired a 10-inch sewer force main.
2. District personnel repaired a 4-inch waste line.

Mr. Hanberg also discussed the Sewer System Management Plan (SSMP) Report for September and reviewed the information provided on the attached SSMP Quarterly Report.

Mr. Chadd provided details regarding the recent repair of a 10-inch sewer force main.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1K) SEPTEMBER 2009 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

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ITEM NO. 1L) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the September 10, 2009 Engineering/Operational Committee Meeting Recap. (Consent Calendar)

ITEM NO. 1M) OTHER MATTERS/REPORT

Mr. Chadd reported that the contracts which TCWD has had for a number of years to service both Joplin and Los Pinos youth facilities will expire on October 31, 2009 at which time

Environmental Strategies will become the new provider of services.

Mr. Chadd also stated there is currently a Senior Meter Reader position opening within the District. This position will remain open until October 16, 2009 at which time staff will begin the screening and interviewing process.

**ADJOURNMENT**

Committee Member Mandich adjourned the September 10, 2009 Engineering/Operational Committee Meeting at 8:10 a.m.